

## ABSTRACT OF DISCLOSURE

Time series data of manipulated variables given to a controlled object and time series data of controlled variables outputted based thereon are acquired. Then, time series data of values is acquired which is outputted from a transfer function assumed in advance when the acquired time series data of manipulated variables is inputted to the transfer function. By identifying one or more parameters of the transfer function so that an error between the time series data of output values and the acquired time series data of controlled variables corresponding thereto or a value derived from the error becomes optimum, a model of the controlled object is generated.